

# Product Data Sheet

## Raven Products Perimeter Smoke Door Seals

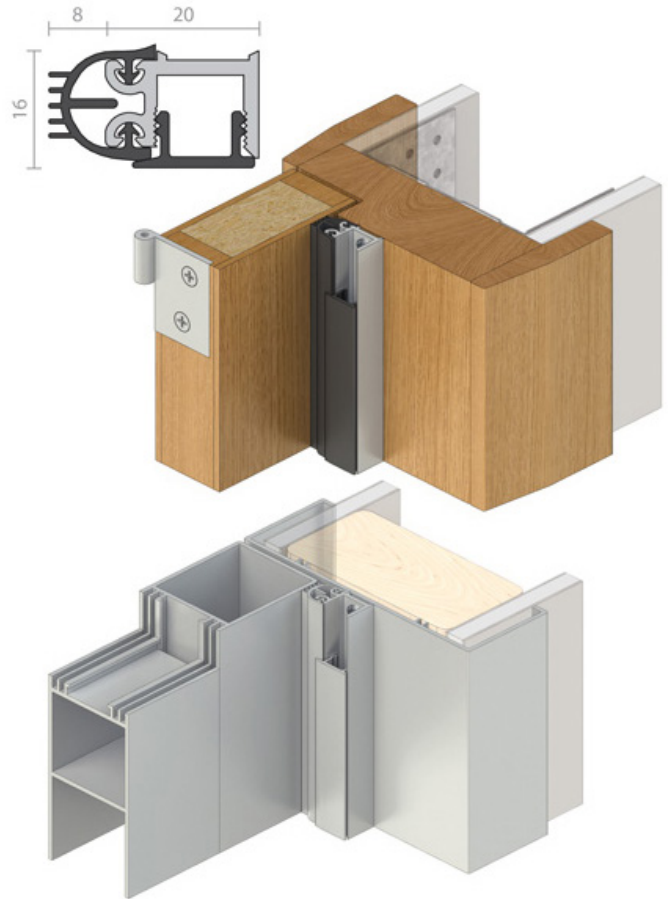
Revision 8 - 1st March 2021



## Raven Products Door Seals

### Perimeter Smoke Seals

- Raven Door Sealing Systems are available to combat draughts, dust, rain, noise, heat loss, heat gain, fire, smoke and stray light.
- With solutions for a wide range of door opening types including butt hinged, up and over, sliding, roller shutter and revolving.
- The following is a selection of the Raven Smoke
- Rated Seals available from the comprehensive range shown on [www.astrodraft.com](http://www.astrodraft.com).



#### Product Description

Raven Seals have been designed to accommodate a variety of duty levels, classified on this web site as light, medium and heavy.

**L** Light Duty seals include those typically used in residential applications or light traffic areas.

**M** Medium Duty seals are used in commercial applications such as office spaces, shops, commercial accommodation or medium trafficked areas.

**H** Heavy Duty seals are designed for areas with a high level of use such as public places such as hospitals, airports, factories, shopping centres or areas with a large flow through of pedestrian and wheeled traffic.

**Product Description**

**M RP120 & RP150**

A co-extruded PVC, acoustic and smoke seal. Discreetly located in the protected corners of rebated timber or steel door frames.

RP120 & RP150 have been tested to AS/NZS1530.4 on proprietary fire doors and conforms to BCA spec. C3.4 200C Medium temperature (smoke doors), similar to BS476 part 20 and 22.

Suitable for new and retrofit applications.

**Location**

Around rebated frames of single or double broad butt hinged doors and windows.

**Min / Max Gap** 3mm to 5.5mm

**Seal Material**

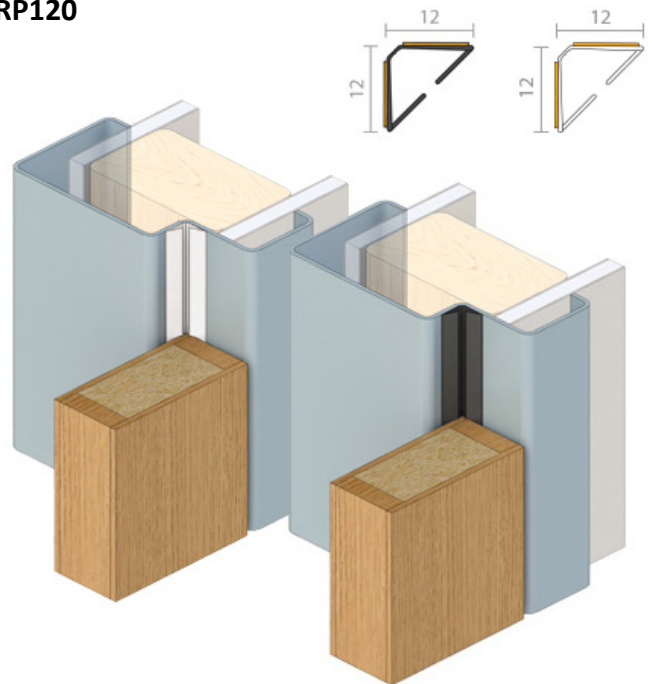
Rigid and Flexible flame retardant PVC, with an aggressive self adhesive backing tape on both sides of the rigid carrier.

**Used in Conjunction**

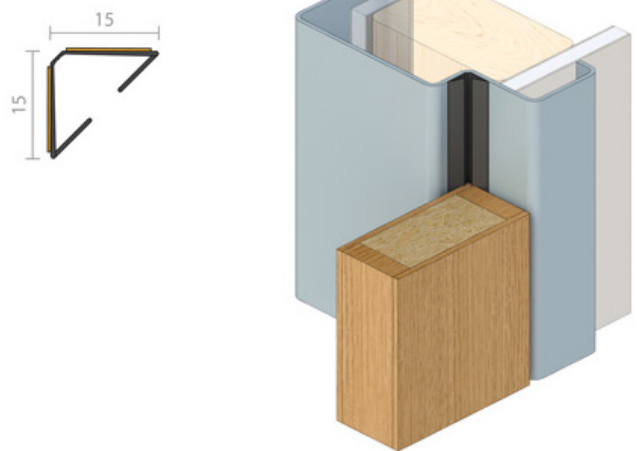
Raven door bottom seals, threshold plates and astragal seals.



**RP120**



**RP150**



**Product Availability**

- Single seal: 2100mm length
- Single door set: 2 x 2100mm + 1 x 1000mm lengths
- Double door sets: 3 x 2100mm lengths

Product Code	Product Description	Size	Colour
ADRP120BLK	Raven RP120	12 x 12mm	Black
ADRP120BLK/SD	Raven RP120 single door set	12 x 12mm	Black
ADRP120BLK/DD	Raven RP120 double door set	12 x 12mm	Black
ADRP150BLK	Raven RP150	15 x 15mm	Black
ADRP150BLK/SD	Raven RP150 single door set	15 x 15mm	Black
ADRP150BLK/DD	Raven RP150 double door set	15 x 15mm	Black

**Product Description**

**H RP10Si**

A neat compact door stop frame seal which has proven to be an effective acoustic seal when tested in accordance with **BS EN ISO 717.1**.

It is quick and easy to install onto the door frame as a door stop. It is adjustable, by concealed fixing slots, for a precision fit. The multi blade seal considerably reduces the leakage of noise and air movement. The minimum deflection of the sealing fins creates maximum efficiency, offering a large tolerance for door movement over time. The seal can be mitred or butt jointed to give an integrated aesthetic appearance.

**Note:** If fixing to rebated frames of single doors, specify a long backset door latch.

**Location**

Head and jambs of single or double broad butt hinged doors.

**Min/Max Gap** 0mm/10mm.

**Fixing Method**

Zinc plated, cross recess head S.T. screws of the appropriate size are supplied, Fixing holes are pre drilled and are slotted to allow the seals to be fitted accurately and to allow adjustments to be made for building movement.

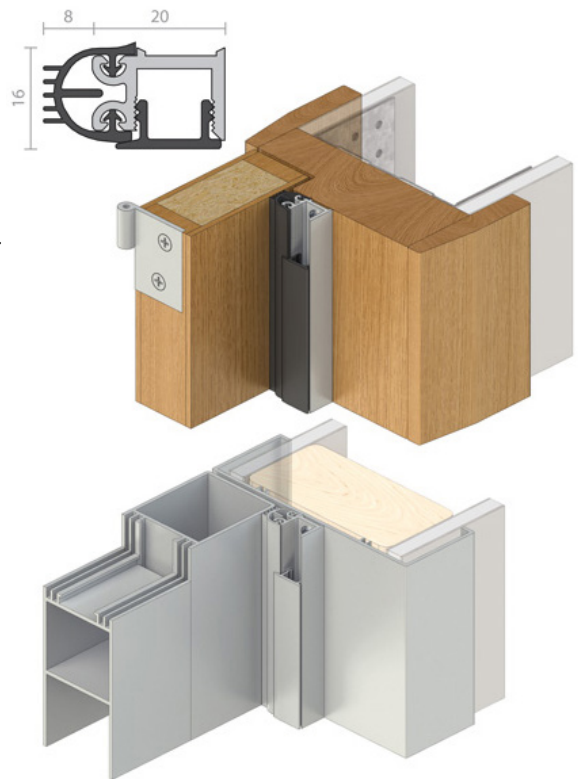
**Seal Material**

Silicon rubber (SE) (Charcoal)

**Replacement Seal** RP310si.

**Used in Conjunction**

Raven Door Bottom Seals, Astragals and Thresholds.



**Product Availability**

- Single door set: 2 x 2100mm + 1 x 1000mm lengths
- Double door sets: 3 x 2100mm lengths
- Long sets or colours are available on request

Product Code	Product Description	Size	Colour
ADRP10SI/SD	Raven RP10Si single door set	8 x 20 x 16mm	Anodised Satin Clear
ADRP10SI/DD	Raven RP10Si double door set	8 x 20 x 16mm	Anodised Satin Clear

**Product Description**

**H RP24Si**

An adjustable door stop seal for noise, light and smoke. The RP24 seal uses independently adjustable fasteners to achieve up to 8mm sealing adjustment for maximum noise control.

The seal can be butt jointed at the corners to produce an easily installed continuous seal around the door frame. Its aluminium carrier is sturdy and slotted for adjustment with concealed fixings. It is quick and easy to install around the jamb and head and can be fitted without removing the door.

It is tamper proof with fully concealed fasteners to give the seal an aesthetic appearance. The closed cell S.E. Sponge E.P.D.M. seal requires only normal door closing force. If fixing to rebated frames of single doors, specify a long backset door latch. RP24 has been granted an Australian Design Award.

It is an effective acoustic seal when tested in accordance with BS EN ISO 717.1.

**Location**

Head and jamb of single or double broad butt hinged doors.

**Min/Max Gap** 0mm/8mm.

**Fixing Method**

Zinc plated cross recess head S.T. screws of the appropriate size are supplied.

**Adjustment**

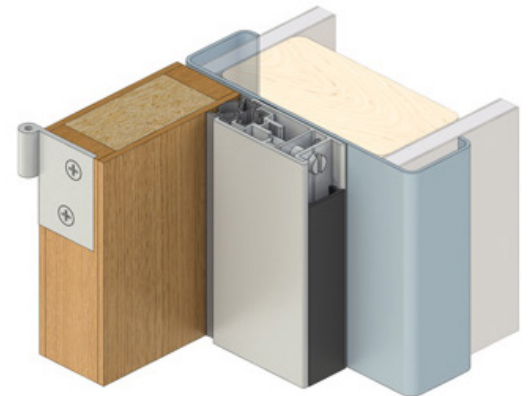
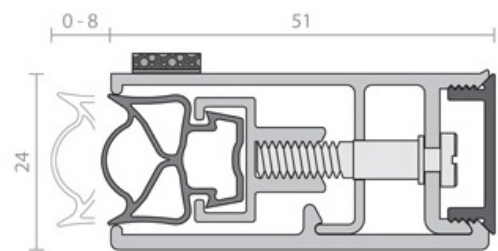
Can be adjusted by 8mm independently of the fixing screws.

**Seal Material**

Closed cell EPDM sponge, self extinguishing (black).

**NOTE**

Different gasket profile conforms to bca spec c3.4



**Product Availability**

- Single door set: 2 x 2100mm + 1 x 1000mm lengths
- Double door sets: 3 x 2100mm lengths
- Long sets or colours are available on request

Product Code	Product Description	Size	Colour
ADRP24SI/SD	Raven RP24Si single door set	0-8 x 51 x 24mm	Anodised Satin Clear
ADRP24SI/DD	Raven RP24Si double door set	0-8 x 51 x 24mm	Anodised Satin Clear

**Product Description**

**H RP47Si**

A heavy duty door seal which has been designed to replace the conventional door stop, around the head and jambs of the door frame. Its proven excellent acoustic qualities make it particularly suitable in heavy traffic areas that sustain high abuse, such as hospitals, hotels, airports and prisons

Concealed behind an aluminium cover strip can be found a space for low voltage cable management, along with adjustable fastener slots for achieving perfect fitment. The extrusions of this rugged tamper proof seal can be mitred or butt jointed for ease of installation.

RP47 has been tested acoustically to **BS EN ISO 717.1**.

Note: If fixed to existing rebated frames of single doors, specify a long backset door latch.

**Location**

Head and jambs of single or double broad butt hinged doors or bulk head applications.

**Min/Max Gap** 0mm/17mm.

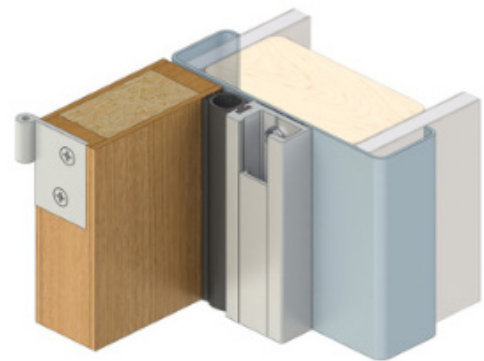
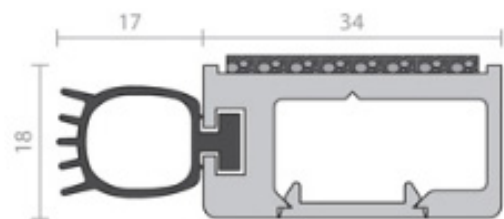
**Fixing Method**

Zinc plated, Tek self drilling (metal) of the appropriate size are supplied.

**Seal Material**

T.P.R (black).

**Replacement Seal RP347Si.**



**Product Availability**

- Single door set: 2 x 2100mm + 1 x 1000mm lengths
- Double door sets: 3 x 2100mm lengths
- Long sets or colours are available on request

Product Code	Product Description	Size	Colour
ADRP47SI/SD	Raven RP47Si single door set	17 x 34 x 18mm	Anodised Satin Clear
ADRP47SI/DD	Raven RP47Si double door set	17 x 34 x 18mm	Anodised Satin Clear

**Product Description**

**M RP78Si**

A medium temperature smoke door frame seal that has been tested to **AS 1530.4, AS/NZS 1905. 1** and conforms to **BCA spec. C3.4.** 200°C Medium temperature smoke. Similar to **BS 476 part 20 and 22.**

It is an acoustically designed smoke seal for installation on door stops and it can be mitred or butt jointed.

Its aluminium carrier is sturdy and slotted for adjustment with concealed fixings. It is quick and easy to install around the jamb and head and can be fitted without removing the door.

**Location**

Head and jambs on single or double butt hinged doors.

**Min/Max Gap** 0mm to 6mm

**Fixing Method**

Zinc plated, cross recess head S.T. screws of the appropriate size are supplied.

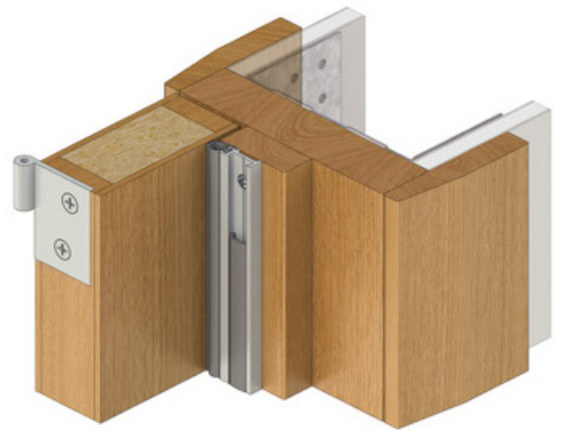
**Seal Material**

Silicon Rubber (SE) (charcoal).

**Replacement Seal** RP394Si

**Used in conjunction**

RP8Si, RP6Si, RP38Si, RP99Si and RP70Si.



**Product Availability**

- Single door set: 2 x 2100mm + 1 x 1000mm lengths
- Double door sets: 3 x 2100mm lengths
- Long sets or colours are available on request

Product Code	Product Description	Size	Colour
ADRP78SI/SD	Raven RP78Si single door set	7 x 8 x 16 x 6mm	Anodised Satin Clear
ADRP78SI/DD	Raven RP78Si double door set	7 x 8 x 16 x 6mm	Anodised Satin Clear



**Product Description**

**H RP84Si**

Designed specifically for ‘clean room’ applications. Its easy cleaning aluminium extrusion and flexible smooth silicon sealing section considerably reduces sound transmission and prevents movement of air borne contaminants, thus allowing for controlled air ventilation.

**Location**

Head and jambs for single and double broad butt hinged doors.

**Min/Max Gap** 0mm to 7mm

**Fixing Method**

Zinc plated, cross recess head S.T. screws of the appropriate size are supplied.

**Seal Material**

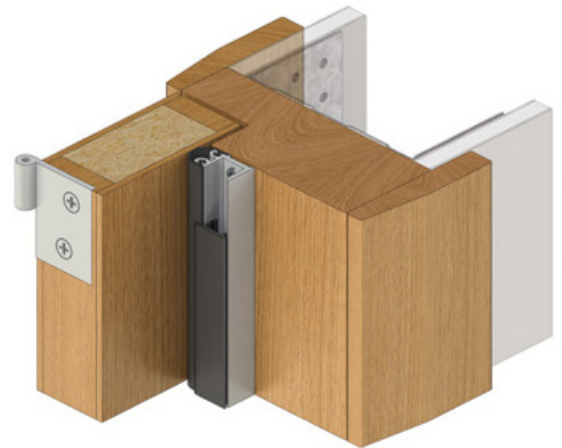
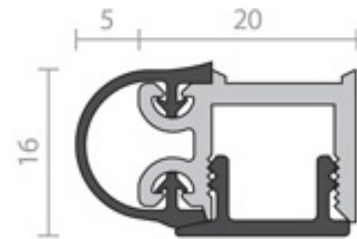
Silicon (black)

**Replacement Seal**

RP384Si

**Used in conjunction**

Raven door bottom seals and astragal seals.



**Product Availability**

- Single door set: 2 x 2100mm + 1 x 1000mm lengths
- Double door sets: 3 x 2100mm lengths
- Long sets or colours are available on request

Product Code	Product Description	Size	Colour
ADRP84SI/SD	Raven RP84Si single door set	16 x 5 x 20mm	Anodised Satin Clear
ADRP84SI/DD	Raven RP84Si double door set	16 x 5 x 20mm	Anodised Satin Clear



**Product Description**

**M RP93Si**

A weather and acoustic seal suitable for plain or rebated frames. RP93Si is quick and easy to install (mitre joint only), to the head and jambs without removing the door. Slotted for installation adjustment, the soft silicon bulb accommodates a tighter seal and, with a tamper proof cover strip, provides a fit and forget feature.

**Note:**

If fixing to rebated frames of single doors specify a long backset door latch. The tamper proof aluminium cover strip is not recommended for removal once installed, refer RP78Si or RP10Si for this feature.

**Location**

Head and jambs of single or double broad butt hinged doors,

**Min/Max Gap** 0mm/ 6mm.

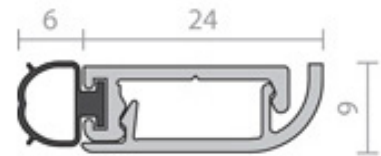
**Fixing Method**

Zinc plated, cross recess head S.T. screws of the appropriate size are supplied.

**Seal Material**

Silicon Rubber (charcoal).

**Replacement Seal RP393Si**



**Product Availability**

- Single door set: 2 x 2100mm + 1 x 1000mm lengths
- Double door sets: 3 x 2100mm lengths
- Long sets or colours are available on request

Product Code	Product Description	Size	Colour
ADRP93SI/SD	Raven RP93Si single door set	6 x 24 x 6mm	Anodised Satin Clear
ADRP93SI/DD	Raven RP93Si double door set	6 x 24 x 6mm	Anodised Satin Clear

**Product Description**

**M RP94Si**

A weather and acoustic seal suitable for rebated frames.

RP94Si is quick and easy to install, either mitred or butt jointed to the head and jambs without removing the door. Slotted for installation adjustment, the soft silicon bulb accommodates a tighter seal and with a tamper proof cover strip, provides a fit and forget feature.

**Note:** The tamper proof aluminium cover strip is not recommended for removal once installed, refer RP78Si for this feature.

**Location**

Head and jambs of single or double broad butt hinged doors.

**Min/Max Gap** 0mm/6mm.

**Fixing Method**

Zinc plated, cross recess head S.T. screws or the appropriate size are supplied.

**Seal Material**

Silicon Rubber (SE) (charcoal).

**Replacement Seal** RP394Si.

**Used in conjunction**

Raven door bottom seals, astragal and threshold plates.



**Product Availability**

- Single door set: 2 x 2100mm + 1 x 1000mm lengths
- Double door sets: 3 x 2100mm lengths
- Long sets or colours are available on request

Product Code	Product Description	Size	Colour
ADRP94SI/SD	Raven RP94Si single door set	7 x 8 x 16mm	Anodised Satin Clear
ADRP94SI/DD	Raven RP94Si double door set	7 x 8 x 16mm	Anodised Satin Clear

**To Order & Specify**

Please contact us and quote the following information - Quantity / Product Description / Product Code / Colour / Size  
 Typical wording - 10 / Raven RP93Si single door set / ADRP93SI/SD / Anodised Satin Clear / 6 x 24 x 6mm

>> Tel: [01329 844 500](tel:01329844500) or >> Email: [sales@astroflame.com](mailto:sales@astroflame.com)

## Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel [01329 844 500](tel:01329844500) or email [sales@astroflame.com](mailto:sales@astroflame.com)

## Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to ASFP TGD 17 – Code of Practice for the Installation and Inspection of Fire Stopping.

## Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

## Additional Notes

For further information on installation requirements please refer to the door manufacturer data to ensure the compatibility of this product, if in doubt please contact the technical team on tel [01329 844 500](tel:01329844500) or email [sales@astroflame.com](mailto:sales@astroflame.com)

## Health and Safety

Please see (SDS) Safety Data sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500) or E: [sales@astroflame.com](mailto:sales@astroflame.com)

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